



Arkansas Wireless Information Network

Report to the

Joint Interim Committee on Advanced
Communications and Information
Technology

For the period ending May 31, 05



This report contains the following sections:

Arkansas Wireless Information Network (AWIN) Program Status – a short description of the program, a list of the projects related to the program, and achievements of the program for the month.

Arkansas State Police (ASP) Network Upgrade Project Status – additional detail on the ASP Network Upgrade.

Chemical Stockpile Emergency Preparedness Plan Project (CSEPP) Status -- additional detail on the CSEPP Project.

Three County Pilot Project Status -- additional detail on the pilot effort that will be implemented in Miller, Lonoke and Craighead counties.

Command and Control Radio Deployment Status -- additional detail on the effort to deploy AWIN compatible radios to the 1st responder leadership in each of the counties in the State of Arkansas.

First Responder Training Status -- additional detail on the First Responder Training effort.



Arkansas Wireless Information Network

AWIN is a multi-phased approach to building the infrastructure to complete a statewide interoperable radio system across the counties command and control structure and state agencies. The first phase of the system will upgrade the existing Arkansas State Police (ASP) network to create the backbone for AWIN. The Arkansas Department of Emergency Management (ADEM) is integrating the planned upgrade to the Pine Bluff Chemical Stockpile Emergency Preparedness Plan (CSEPP) radio system into the first phase of AWIN. This effort will create operational efficiencies in both implementations. In addition, AWIN is working with three counties as a pilot program to build a fully interoperable radio system for these counties first responders. This effort will demonstrate the effectiveness of the operational design of AWIN.

Two additional projects have been added to the AWIN Program. The 1st Responder Training Project is designed to ensure that all users of the system have been trained properly. The command and Control project is in place to facilitate the programming and installation of radios across the Command and Control structure of each county.

Program Director:

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Program Manager:

Name: Penny Rubow

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Updated: 05/27/05

PROJECTS

Project Name	Percentage Complete	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues
Arkansas State Police Upgrade	33%	X	-	-
Chemical Stockpile Emergency Preparedness Plan (CSEPP)	29%	-	X	-
Three County Pilot*	-	-	-	X
1 st Responder Training*	-	X	-	-
Command and Control*	-	X	-	-

*Percentages complete for these efforts will be reported when schedule information is more fully developed.

Program Funding

The funding information below reflects the base cost and funding plan as determined in August of 2004. Changes to cost and funding is reflected in detail in the individual project status in this report.

**Cost by identified Project:**

ASP Network Upgrade	\$25,484,007.00
Three County Pilot Project	\$ 9,536,485.00
CSEPP	\$11,357,653.00
County Distribution for Command/Control	\$13,152,315.01
Bonding Expenses	<u>\$ 4,478,433.98</u>
TOTAL COSTS	\$64,008,893.99

Funds Available:

Federal Earmark Appropriation (held by ASP)	\$494,739.00
Federal Emergency Management Agency (FEMA) – CSEPP	\$11,357,653.00
Office for Domestic Preparedness (ODP) Previous Grants	\$3,680,070.98
FY04 State Homeland Security Grant Program – State Portion	\$ 4,821,370.00
FY04 State Homeland Security Grant Program – 3 County Pilot	\$ 9,536,485.00
FY04 State Homeland Security Grant Program – County Distribution	<u>\$13,152,315.01</u>
TOTAL Grant Monies Available	\$43,042,632.99
Bond Proceeds	<u>\$21,960,000.00</u>
TOTAL FUNDS AVAILABLE	\$65,002,632.99

Program Update

FCC Licensing. Acquiring FCC Licenses continues to be an issue impacting all of the projects related to the AWIN Program. A workgroup has been assigned to identify any licensing issues and to finalize the frequency plan. Additional costs will be associated with this effort.



Arkansas State Police Network Upgrade

The Arkansas State Police Network Upgrade will enhance the existing Arkansas State Police (ASP) network to create the backbone for AWIN. This effort will include the upgrade of existing towers, dispatch equipment and radios.

Project Manager

Name: David Baker

Email: david.baker@arkansas.gov

Updated: 05/27/05

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule	-	X	-	FCC License issues that have been identified with resolution scheduled for the end of May. Process time or possible issues that might arise if new license contains any incorrect information could still impact the schedule.
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Of the identified tasks, 46% have been completed. (See comments below)

There are 212 days remaining until project completion.

Phase/Activity	Start Date	End Date	Revised Complete	Complete	Status
Contract	12/8/2003	2/2/2004	-	100%	Complete
Design Review	1/22/2004	6/30/2004	-	100%	Complete
Order Processing	7/1/2004	8/30/2004	-	100%	Complete
Manufacturing	2/27/2004	12/15/2004	-	100%	Complete
Staging	7/29/2004	12/28/2004	-	100%	Complete
Materials Management*	8/20/2004	1/12/2006	12/29/05	94%	On-Track



Phase	Start Date	End Date	Revised Complete	Complete	Status
Civil Work/FNE Installation (Milestone Dates)	7/1/2004	01/28/2006	-	35%	On-Track
• AREA A (Central Arkansas) FNE Installation Complete	7/1/2004	08/26/05		77%	On-Track
• AREA B (NE Central Arkansas) FNE Installation Complete	10/12/04	05/06/05	05/19/05	100%	Completed
• AREA C (NE Arkansas) FNE Installation Complete	02/23/05	11/10/05	10/25/05	1%	Slipping
• AREA D (East Central Arkansas) FNE Installation Complete	08/31/04	05/06/05	06/03/05	43%	On-Track
• AREA E (SE Central Arkansas) FNE Installation Complete	8/31/04	05/23/05	07/12/05	34%	Slipping
• AREA F (SE Arkansas) FNE Installation Complete	8/31/04	5/23/05	07/12/05	65%	Slipping
• AREA G (SW Arkansas) FNE Installation Complete	8/30/04	9/16/05	10/10/05	32%	Slipping
• AREA H (West Central Arkansas) FNE Installation Complete	08/16/04	09/30/05	09/20/05	13%	Slipping
• AREA I (North Central Arkansas) FNE Installation Complete	08/02/04	03/30/05	05/06/05	100%	Completed
• AREA J (NW Central Arkansas) FNE Installation Complete	09/03/04	08/04/05	08/02/05	4%	On-Track
• AREA K (SW Central Arkansas) FNE Installation Complete	8/11/04	08/26/05	09/05/05	14%	On-Track
• AREA L (NW Arkansas) FNE Installation Complete	02/16/04	3/30/05	03/16/05	100%	Completed
System Optimization	02/03/05	10/16/05			
Acceptance Testing	02/03/05	11/28/05			
Finalize Outstanding Issues**	02/04/04	1/10/2006	12/29/05	4%	On-Track

*Materials Management includes: delivery of final project documentation, final equipment lists.

** Includes Punch List items, final documentation, and service transition.

**Comments:**

Schedule impact: The site cutover schedule resumed with the completion of Areas I and B

Regulatory application process: Changes and updates to the project's Frequency Plan have identified several license issues. These issues are scheduled to be resolved by the end of May. Time constraints of the regulatory processes could still impact the schedule, but any impact should be minimal if at all.

Schedule Changes: No additional schedule changes have been made or planned at this time.

June Outlook:

- Begin the site cutover sequence in Area D.
- Continue with subscriber installation and training for Areas E & F.
- Begin the site cutover sequence in Areas E & F

BUDGET

Total Budget	Expenditures	% of Budget	Status
\$27,383,957.00	\$17,794,586.94	65%	On Track

Comments: The budget described above reflects equipment cost and licensing fees only.

Additional budget numbers are being developed and this section will be updated as those numbers are available.

SCOPE

Change Request	Schedule Impact	Budget Impact	Status

Comments: No Change Orders for this reporting period.



Chemical Stockpile Emergency Preparedness Program (CSEPP)

The Chemical Stockpile Emergency Preparedness Program (CSEPP) was established to enhance the emergency preparedness in communities around the chemical stockpiles until the stockpiles are eliminated. The Pine Bluff Arsenal communicates daily with Jefferson and Grant counties and the Arkansas Department of Emergency Management to inform them of activities involving the stockpile.

Project Manager:

Name: David Baker

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Updated: 05/27/05

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule		X		Additional requirements for Environmental Studies have been identified. These additional studies can take as long as 90 days.
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Of the identified tasks, 33% have been completed. (See comments below)

There are 93 days remaining until project completion.

Phase/Activity	Start Date	End Date	Revised Complete	% Complete	Status
Contract	12/8/2003	2/2/2004		100%	Complete
Design Review	1/22/2004	6/30/2004		100%	Complete
Order Processing	7/1/2004	8/30/2004		100%	Complete
Manufacturing	2/27/2004	12/15/2004		100%	Complete
Staging	7/29/2004	12/28/2004		100%	Complete
Materials Management	8/20/2004	1/12/2006		94%	On-Track



Phase/Activity	Start Date	End Date	Revised Complete	% Complete	Status
Civil Work/FNE Installation (Milestone Dates)	7/1/2004	06/20/2005		31%	On-Track
• Jefferson Sites Operational	08/31/04	3/21/05	07/12/05	51%	Slipping
• Grant Sites Operational	2/17/04	7/22/05	07/12/05	10%	Slipping

Comments:

Schedule impact: Environmental Assessments are in the 30 day public review portion of their process, the schedule has been adjusted to coincide with the expected completion date.

Regulatory application process: FEMA requirements for additional site monitoring related to NEPA studies have started. The Environmental Assessment public review process is a 30 day time period. If any issues are raised during the review period they will be addressed on a one by one basis, any issue could have the potential to cause a schedule delay.

The site work at the Jefferson NW has been delayed until 06/13/05. The Environmental Assessment (EA) needed by NEPA is scheduled to be completed by 06/11/05.

June Outlook:

- Monitor the public review of the Environmental Assessment (EA) process
- Complete T-1 installation and electrical upgrade for PBA site
- Complete site construction for PBA and Jefferson NW sites

BUDGET

Total Budget	Expenditures	% of Budget	Status
\$11,285,823.00	\$2,533,712.00	22%	On Track

Comments: No additional expenditures against the CSEPP project were made during this period. The budget described above reflects equipment cost and licensing fees only. Additional budget numbers are being developed and this section will be updated as those numbers are available.

SCOPE

Change Request	Schedule Impact	Budget Impact	Status

Comments: No Change Orders for this reporting period.



Three County Pilot

The Arkansas Wireless Information Network (AWIN) Three County Pilot Project will provide the initial efforts to bring the interoperable network to the county and city level emergency responders level. The scope of the project is to work with Craighead, Lonoke, and Miller counties in building a fully interoperable radio system, based on Project 25 standards, for all public safety agencies in these counties. This project will provide additional infrastructure needed at the county level, upgraded dispatch units and integration into AWIN. Each county system will be considered part of the overall AWIN system. Further, a repeatable process will be identified that can be used as other counties integrate their infrastructure into AWIN.

Project Manager:

Name: Randy Wilcox

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Updated: 05/27/05

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule	-	-	X	Site acquisition has significantly impacted this effort. The site issue is nearing resolution. An agreement has been reached regarding the Miller County site acquisition. The lease is being drawn up and will be signed once it is completed. Additional site engineering and planning is being done to accommodate the acquired site.
Budget		X	-	Due to infrastructure costs being higher than originally planned subscriber radios have become a potential issue in Miller and Craighead county. This is being looked into and a supplemental funding package from the Governor's General Improvement Fund has been proposed.
Scope	X	-	-	-



SCHEDULE

Phase/Activity	Start Date	End Date	% Complete	Status
Project Initiation and Planning	07/15/04	7/31/05	50%	Behind
• Preliminary Design	07/15/04	09/10/04	100%	Completed
Lonoke County	08/28/04	6-13-05	95%	Behind
• Presentation of Design Books to County	08/28/04	4-27-05	100%	Complete
• Design Review meeting with County, State of Arkansas, Buford Golf and Associates	4-27-05	5-25-05	95%	On Schedule
• Presentation of Design Review by County to AWIN Steering Committee for Acceptance	4-27-05	6-13-05		On Schedule
Craighead County				
• Presentation of Design Books to County	08/28/04	05-23-05	85%	Behind
• Design Review meeting with County, State of Arkansas, Buford Goff and Associates	4-27-05	5-31-05		Behind
• Presentation of Design Review by County to AWIN Steering Committee for Acceptance	4-27-05	6-13-05		Behind
Miller County				
• Presentation of Design Books to County	08/28/04	5-31-05	80%	Behind
• Design Review meeting with County, State of Arkansas, Buford Golf and Associates	4-27-05	6-03-05		Behind
• Presentation of Design Review by County to AWIN Steering Committee for Acceptance	4-27-05	6-13-05		Behind
Final Approval of Design	-	6-13-05	33%	Behind
Project Execution	-	TBD	-	-
• Equipment Purchase	-	TBD	-	-
• Identify Frequencies	-	TBD	-	-
• Implementation	-	TBD	-	-
• Training	-	TBD	-	-
• Cutover	-	TBD	-	-
Project Close-Out	-	TBD	-	-



Comments:

Project Planning:

Lonoke County

Project planning stage is complete. Design books have been presented to county. Formal presentation to the county has occurred and the design is near acceptance by the county. The county will formally present the design to the Steering Committee for approval on June 13th. After acceptance by the Steering Committee the Execution phase will begin for Lonoke County.

Craighead County

Infrastructure planning is complete except for the county dispatch center. This will be resolved by May 3rd. Once completed the Design books will be finalized and submitted to the County and State of Arkansas for review. The vendor is adopting all comments from the Lonoke County Design Books into the Craighead County Design Books. This has added some delay in the book production. The date for the formal meeting with the county should be decided by June 3rd. After the meeting is conducted and the county accepts the design the county will make a formal presentation to the Steering Committee for acceptance of the design. It is expected this will occur during the month of June. After the Steering Committee accepts the design the Execution phase for Craighead County will begin.

Miller County

The County has accepted a land site on Wolfe Mountain and has begun the lease process. Land surveys for both new Miller County sites have begun. This is required to complete the regulatory process for the sites as well as allow the vendor to complete the engineering study for the towers to be placed on the site. The County is currently working on meeting the ADEM Command and Control requirements as well as finalizes the radio counts for the entities within the county. It is expected the design books and formal presentation to the county will occur during the month of July. If accepted every effort will be made for the county to present the accepted design to the Steering Committee during the Month of July. After the Steering Committee accepts the design the Execution phase for Miller County will begin.

Regulatory application process: The site approval process for National Environmental Protection Agency (NEPA), Federal Communications Commission (FCC), and Federal Aviation Administration (FAA) continue on the identified tower sites in the Three County project. This process is on schedule.

BUDGET

Total Budget	Expenditures	% of Budget	Status
\$10,443,960.00	\$7,140		On-Track

Comments: The budget described above reflects equipment cost and licensing fees only. Additional budget numbers are being developed and this section will be updated as those numbers are available.



SCOPE

Change Request	Schedule Impact	Budget Impact	Status

Comments: Some Regulatory costs identified. The State of Arkansas has agreed to pay the regulatory cost for site approval. Final Approval of the site design is granted by the AWIN steering committee. After the pilot counties have fully reviewed with the State the detailed design each county will present the design to the AWIN Steering Committee for final approval.



First Responder Training

The purpose of the training effort for AWIN is to train first responders in the state on the use of the AWIN system. The training effort will include Subscriber (or end user) training, console operator training, and system administration training. Installation of radios will be also be tracked along with this effort.

Project Manager:

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Updated: 05/27/05

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule		X	-	Cutover delay's in Troop I have caused training to be delayed as well.
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Activity	Target Start Date	Target Completion Date	Percentage Complete	Status
Project Initiation and Planning	01/10/05	01/31/05		
• Identify personnel to be trained	01/15/05	01/31/05	100%	Completed
• Develop schedule for training classes	01/31/05	02/28/05	100%	Completed
• Identify common activities and tasks	01/31/05	02/28/05	98%	Identifying as available
• Identify installation needs	01/31/05	12/31/05	100%	Completed
Project Execution				
• Distribute radios	02/16/05	12/31/05	33%	On Track
• Install radios	02/16/05	12/31/05	33%	On Track



Activity	Target Start Date	Target Completion Date	Percentage Complete	Status
• Train the Trainer classes	02/16/05	12/31/05	25%	On Track
• Console Operator classes	02/16/05	12/31/05	44%	On Track
• End User Training Classes	02/16/05	12/31/05	16%	On Track
Project Closeout	12/31/05	01/15/06		

Comments:

Train the Trainer: Inventoried manuals for the training classes and reported to John Eddy of Motorola the numbers. Asked John for shipping list of manuals sent to the project.

Installation of Radios: Currently installs are being completed for the Troopers in Troop B and D and various sites around the state. Have started to mark radios to go to agencies, but am waiting on word for final template to have them programmed and distributed to the agencies.

BUDGET

Total Budget	Expenditures	% of Budget	Status

Comments: Budget numbers for the training effort are being developed and will be reported when they are available.

SCOPE

Change Request	Schedule Impact	Budget Impact	Status

Comments: No change requests were processed in January. The scope of this project expanded to include tracking all AWIN Assets.



Command and Control Radio Deployment

The AWIN Command and Control Project is to deploy Project 25 wireless radios to the 1st responder leadership for each county in the State of Arkansas. Further, this project will ensure that voice testing occurs in each county and that training is provided to each user.

Project Manager:

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Updated: 05/27/05

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule	X	-	-	
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Phase/Activity	Start Date	Completion	% Complete	Status
Planning and Initiation	Thu 2/3/05	Fri 6/10/05	70%	On-Track
Area L Command and Control	Thu 2/3/05	Fri 6/24/05	15%	On-Track
Area I Command and Control	Tue 3/22/05	Thu 6/30/05	0%	
Area B Command and Control	Tue 3/22/05	Fri 7/15/05	5%	
Area D Command and Control	Tue 3/22/05	Mon 7/25/05	0%	
Area E&F Command and Control	Tue 3/22/05	Mon 9/5/05	0%	
Areas A, J, K	Tue 3/22/05	Thu 10/13/05	0%	



Command and Control				
Area H Command and Control	Tue 3/22/05	Thu 10/20/05	0%	
Area G Command and Control	Tue 3/22/05	Fri 11/18/05	0%	
Area C Command and Control	Tue 3/22/05	Tue 10/25/05	0%	
Project Close-Out	Tue 11/1/05	Thu 11/3/05	0%	

Comments: Washington County volunteered to participate in a 'proof of concept' effort that will determine the most efficient and effective method of getting a county's radios programmed and distributed. This effort is expected to complete mid-June.

BUDGET

Total Budget	Expenditures	% of Budget	Status
\$11,483,005.67			

Comments: The budget described above reflects equipment cost only. Additional budget numbers are being developed and this section will be updated as those numbers are available.

SCOPE

Change Request	Schedule Impact	Budget Impact	Status

Comments: No change requests were processed during May.